Simulator Requirement Specification

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| Department Name | Mechanical Engineering |
| Class | TY B Tech. |
| Semester | 1st |
| Subject Name | Heat Transfer |
| Experiment No. | 2 |
| Experiment Name | Heat Transfer through a Lagged Pipe |

Version History

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| --- | --- | --- | --- | --- |
| Sr. No. | Version Number | Created By | Approved By | Date |
| 1 | v1.0 | Vedant Mandrupkar | Mr. Rohit Ghulanavar | 05/11/2020 |
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Detailed Requirement Specification

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| **Req. ID** | **Visual Entity Required** | **Requirement Description** | **Comments** |
| REQ1 | ‘RUN’ button | To start simulation | Only start after user gives input values |
| REQ2 | ‘CLEAR’ button | To clear inputs given by user and stop simulation | - |
| REQ3 | Voltage button | To accept voltage from user | Voltage must be in Volts and between 1 and 300. |
| REQ4 | Current button | To accept current from user | Current must be in Amperes and between 0.01 and 5.00. |
| REQ5 | Temperature readings | Gives output to users | Total 12 temperature readings must be given to user.  Unit is ℃. |
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